

STARTUP CONTROL SYSTEM AND METHOD FOR A MULTIPLE COMPRESSOR CHILLER SYSTEM

ABSTRACT OF THE DISCLOSURE

A startup control algorithm for a multiple compressor liquid chiller system is provided wherein the maximum number of compressors to be started to satisfy system load conditions is provided. The control algorithm designates all of the compressors of the multiple compressor system for starting and reduces the number to be started in response to the satisfaction of several predetermined criteria. The predetermined criteria are related to the leaving chilled liquid temperature, the shutdown time for the chiller system and the last operating time period for the chiller system.